Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A double-acting deformable fluid actuator with three chambers, ~~characterized in that it consists of~~ comprising three axisymmetrical coaxial membranes, ~~(10, 11 and 12,)~~ constrained by two end pieces ~~(13 and 14)~~, in order to identify three chambers including, an inner chamber ~~(15)~~, an intermediate chamber ~~(16)~~, and an outer chamber ~~(17)~~; each chamber being supplied with fluid under pressure through respective connectors ~~(18, 19 and 20) set~~ on one of the end pieces.

2. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the coaxial membranes comprise an outer membrane, a central membrane and an inner membrane, and wherein the outer membrane ~~(10)~~ and the inner membrane ~~(12)~~ have limited extensibility along ~~the~~ a meridian direction of ~~the~~ an actuator, ~~the~~ wherein a central membrane ~~(11) being~~ is mounted so as to present limited extensibility in a circumferential direction.

3. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the coaxial membranes comprise an outer membrane, a central membrane and an inner membrane, and wherein the outer membrane ~~(10)~~ and the inner membrane ~~(12)~~ are inextensible along ~~the~~ a meridian direction of ~~the~~ a actuator, ~~whilst~~ and wherein the central membrane ~~(11)~~ is mounted so as to be inextensible in a circumferential direction.

4. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the coaxial membranes comprise an outer membrane, a central membrane and an inner membrane, and wherein the central membrane ~~(11)~~ and the inner membrane ~~(12)~~ have limited extensibility or are inextensible along ~~the~~ a meridian direction of ~~the~~ an

actuator, ~~whilst~~ and wherein the outer membrane ~~(10)~~ is mounted so as to present limited extensibility or to be inextensible in a circumferential direction.

5. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the coaxial membranes comprise an outer membrane, a central membrane and an inner membrane, and wherein the central membrane ~~(11)~~ and the outer membrane ~~(10)~~ have limited extensibility or are inextensible along ~~the~~ a meridian direction of ~~the~~ an actuator, ~~whilst~~ and wherein the inner membrane ~~(12)~~ is mounted so as to present limited extensibility or be inextensible in a circumferential direction.

6. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the membranes present lobes in the areas in which high deformability is required to obtain ~~the~~ phases of pushing and pulling.

7. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the ~~sets of~~ membranes ~~(10, 11 and 12)~~ are two, set on top of one another, and joined by a circumferential connecting stretch ~~(20)~~, which separates ~~the~~ an inner chamber ~~(15)~~ from the external environment.

8. (Currently Amended) The deformable actuator according to Claim 1, ~~characterized in that~~ wherein the sets of membranes ~~(10, 11 and 12)~~ are three or more sets, arranged on top of one another, and joined by respective circumferential connecting stretches, which separate ~~the~~ an inner chamber ~~(15)~~ from the external environment.